



CALIFORNIA

Agricultural Bulletin

EDD Employment
Development
Department
State of California

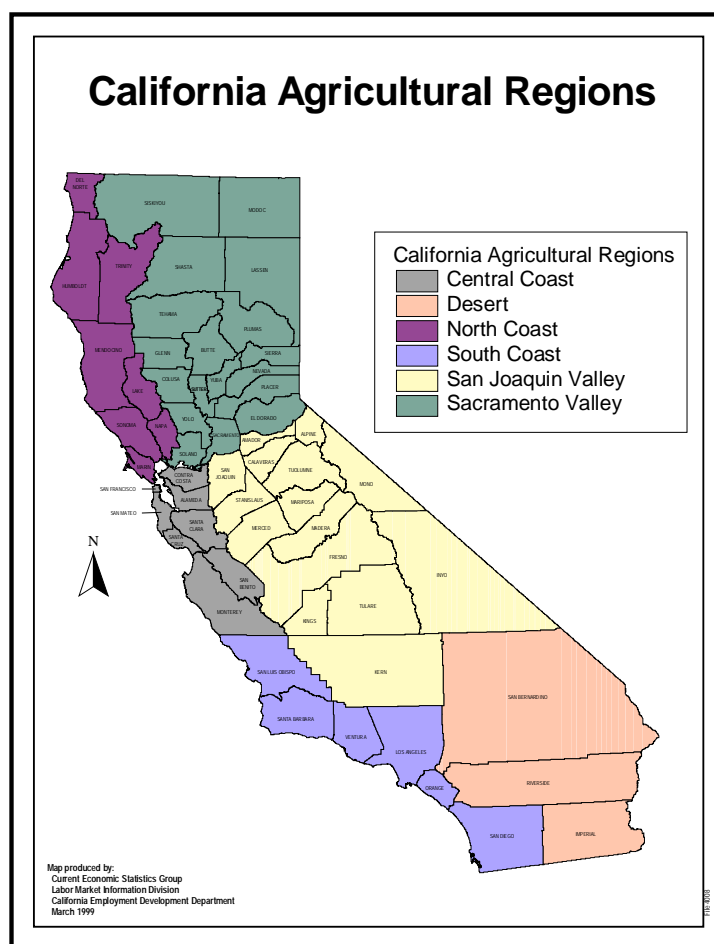
October 2001
(Internet Version)

Agricultural Overview

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This bulletin covers 27 agricultural industries in the State of California. The number of industries ranges from five to seventeen within each of the six geographic regions. The regions are the San Joaquin Valley, South Coast, Desert, Central Coast, Sacramento Valley, and North Coast (refer to map for details).



The data are organized into the following tables by state and region:

- Wage and Salary Workers
- Average Hourly Earnings

LMID
Labor Market Information Division
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Summary

Employment

Total California agricultural employment for October 2001 decreased 75,400 jobs from the previous month for a loss of 16 percent. Total Agricultural Production decreased 42,400 jobs from September 2001 to October 2001, a loss of 16 percent. Agricultural Services decreased by 33,000 jobs, a loss of 15 percent. Decreases in both Agricultural Production and Agricultural Services are normal for the month of October. The change in California agricultural employment from September 2000 to October 2000 was a decrease of 70,500 jobs.

Farm Labor Contract Services registered the largest decline for the month with a decrease of 33,000 jobs. Grape crops registered a significant loss with a decline of 15,400. Vegetable and Melon crops posted the largest gain with an increase of 4,300 jobs. Total agricultural employment decreased 25 percent in the San Joaquin Valley Region, eight percent in the Central Coast Region, five percent in the Desert Region, and five percent in the Sacramento Valley Region. Agricultural employment was unchanged in the North Coast Region and the South Coast Region.

Production and Crop Activity

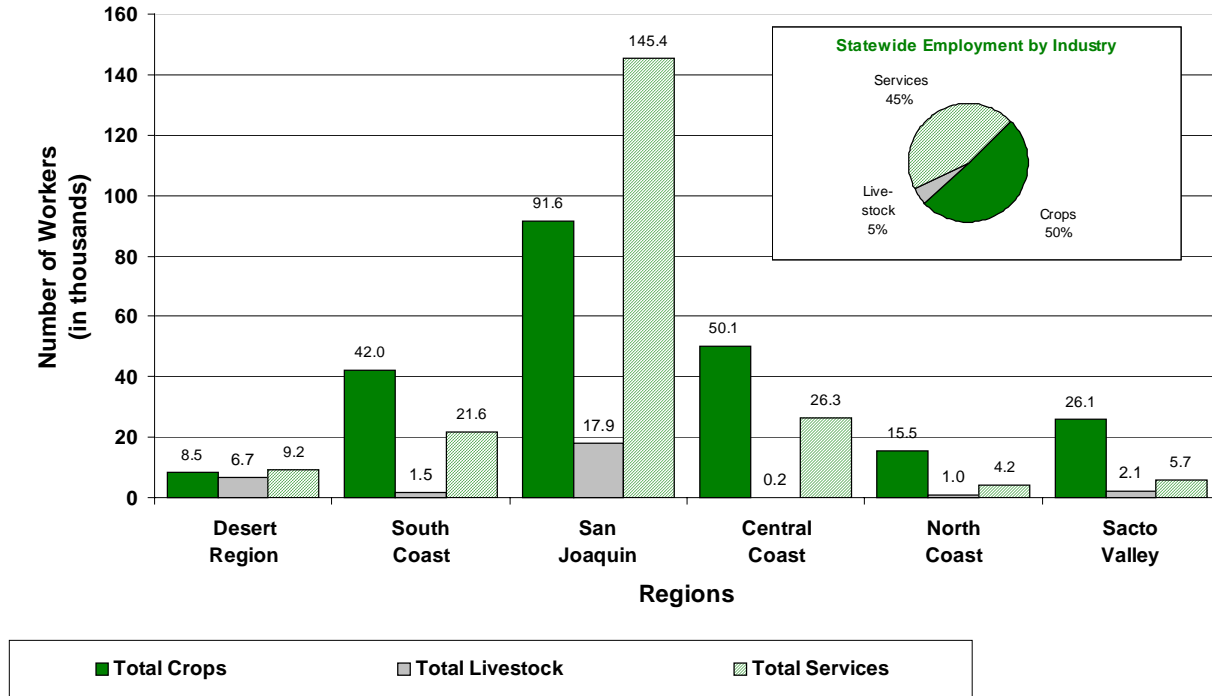
Cotton harvesting continued throughout the state while harvested fields were shredded and disced. Planting of winter wheat and oats was ongoing and ground preparation and weed control continued in other small grain fields. Mature alfalfa hay fields were cut, windrowed and baled. New alfalfa fields were planted and treated with herbicides for weed control. Corn was harvested for both silage and grain. The dry bean harvest neared completion in several areas; mature fields were cut, windrowed and dried. Harvested bean fields were disced in preparation for planting the next crop. Sugar beet fields were treated for armyworms and beetles. Rice harvesting continued in some areas. Harvested rice fields were burned, or disced and flooded. Some rice straw was baled. Tulare County growers continued planting fall cabbage and broccoli. Direct seeding of onions continued in the Stockton Delta area. Lettuce growers irrigated, cultivated, and treated for weed and insect pests. Harvesting of head lettuce was in full swing on Fresno County's west side. Cantaloupes, honeydew and watermelons were still being harvested. Pumpkins, gourds, and winter squash were actively harvested. Other vegetables harvested included basil, bell peppers, broccoli, carrots, cauliflower, celery, chili peppers, cilantro, cucumbers, eggplant, garlic, green beans, green onions, kabocha, mustard greens, okra, parsley, sweet corn, and zucchini squash.

Fruit growers performed cultural activities that included weed control, fungicide applications, and irrigation of trees and vines. Harvest of table grapes in the San Joaquin Valley slowed. Most raisins were harvested and in bins. Wine grape harvest continued in a few remaining vineyards. The season's last irrigation was underway in many grape vineyards. Stone fruit harvesting continued, but at a reduced pace. Granny Smith, Fuji, and Pink Lady apples were picked. Harvest of Asian pears continued in the San Joaquin Valley. Early Foothill and Wonderful variety pomegranate harvesting was active. Quince, fig, persimmon, olive, and kiwifruit picking continued. Harvest preparations continued in many navel orange groves. Valencia oranges were picked in the southern coastal areas and in the lower San Joaquin Valley. Lemon picking was active in the south coast and desert areas. The Riverside County grapefruit harvest continued. Pummelos were harvested in the San Joaquin Valley. Almond harvesting continued, but at a reduced pace. Pistachio harvesting also continued. Ashley, Chandler, Payne and Serr variety walnut orchards were harvested. Pecan growers prepared orchards for harvest.

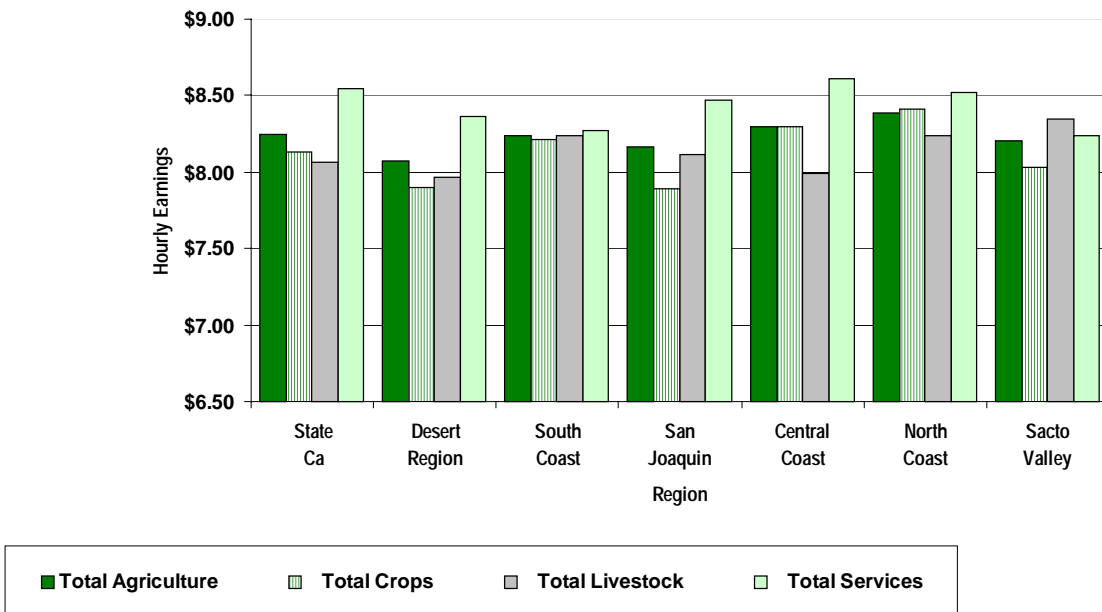
Supplemental feeding of livestock continued. Cattle and sheep were moved from higher elevation pastures. Sheep grazed on harvested grain, melon and alfalfa fields. Calving was in full swing along the coast.

Agricultural Summary Charts

Wage and Salary Workers



Average Hourly Earnings



CALIFORNIA AGRICULTURAL EMPLOYMENT

Wage and Salary Workers
(In Thousands)

Industry	Oct 2001	Sep 2001	Oct 2000
Total Agriculture	410.0	485.4	418.6
Total Agricultural Production/Crops	207.4	242.9	209.7
Cash Grains	3.7	3.8	3.0
Rice	2.6	1.6	2.1
Other Cash Grains	1.1	2.2	0.9
Field Crops Except Grains	13.5	19.7	11.9
Cotton	3.8	6.6	6.3
Other Field Crops	9.7	13.1	5.6
Vegetables and Melons	44.3	38.0	36.9
Total Fruits and Tree Nuts	91.9	117.7	93.0
Berries	15.1	15.6	15.8
Grapes	40.9	56.3	41.3
Tree Nuts	8.6	11.1	11.0
Citrus Fruits	2.6	4.8	4.9
Deciduous Tree Fruit	12.6	19.1	10.4
Other Fruits & Nuts	12.1	10.8	9.6
Total Horticultural Specialties	32.2	34.0	38.8
Ornamental Floral & Nursery	30.4	30.7	35.2
Food Crops Grown Under Cover	1.8	3.3	3.6
General Farm Primarily Crop	21.8	29.7	26.1
Agricultural Production/Livestock	19.4	26.3	28.6
Beef Cattle Feed Lots	1.1	0.6	0.8
Beef Cattle Except Feed Lots	1.8	3.1	3.4
Dairy Farms	12.5	14.8	16.4
Chicken Eggs	1.3	2.2	2.2
Turkey & Turkey Eggs	0.3	0.8	1.0
Other Livestock	2.4	4.8	4.8
Total Agricultural Services	183.2	216.2	180.3
Soil Preparation Services	2.1	3.2	1.6
Crop Services	53.8	51.2	50.9
Plant Cultivate & Protection	6.0	4.8	6.1
Harvest Primarily by Machine	9.6	5.4	7.2
Preparation Services for Market	36.4	40.2	35.8
Cotton Ginning	1.8	0.8	1.8
Total Farm Labor & Management	127.3	161.8	127.8
Farm Labor Contractors	114.9	149.8	116.4
Farm Management Services	12.4	12.0	11.4

Average Hourly Earnings
(In dollars per hour)

Industry	Oct 2001	Sep 2001	Oct 2000
Total Agriculture	8.25	8.23	8.12
Total Agricultural Production/Crops	8.13	8.14	8.00
Cash Grains	8.25	8.39	8.25
Rice	8.40	8.53	8.21
Other Cash Grains	8.09	8.25	8.29
Field Crops Except Grains	7.95	7.97	7.79
Cotton	7.67	7.73	7.49
Other Field Crops	8.22	8.21	8.10
Vegetables and Melons	8.21	8.16	7.98
Total Fruits and Tree Nuts	8.00	7.96	7.93
Berries	7.78	7.81	7.86
Grapes	8.05	8.02	7.85
Tree Nuts	7.93	7.94	7.96
Citrus Fruits	8.07	7.89	8.03
Deciduous Tree Fruit	7.82	7.78	7.72
Other Fruits & Nuts	8.36	8.34	8.20
Total Horticultural Specialties	8.20	8.20	8.12
Ornamental Floral & Nursery	8.30	8.27	8.06
Food Crops Grown Under Cover	8.11	8.12	8.17
General Farm Primarily Crop	8.19	8.19	7.92
Agricultural Production/Livestock	8.07	8.04	7.93
Beef Cattle Feed Lots	8.15	8.07	7.78
Beef Cattle Except Feed Lots	8.17	8.25	8.33
Dairy Farms	8.63	8.56	8.44
Chicken Eggs	7.33	7.25	7.07
Turkey & Turkey Eggs	7.97	7.93	7.82
Other Livestock	8.16	8.17	8.17
Total Agricultural Services	8.55	8.52	8.44
Soil Preparation Services	8.64	8.59	8.58
Crop Services	8.73	8.69	8.60
Plant Cultivate & Protection	8.53	8.61	8.49
Harvest Primarily by Machine	8.70	8.67	8.50
Preparation Services for Market	8.13	8.16	7.90
Cotton Ginning	9.57	9.34	9.51
Total Farm Labor & Management	8.27	8.29	8.13
Farm Labor Contractors	8.06	8.08	7.91
Farm Management Services	8.49	8.50	8.35

CENTRAL COAST AGRICULTURAL EMPLOYMENT

Wage and Salary Workers
(In Thousands)

Industry	Oct 2001	Sep 2001	Oct 2000
Total Agriculture	67.9	73.5	66.3
Total Agricultural Production/Crops	39.1	44.7	38.9
Cash Grains	0.0	0.0	0.0
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.0
Field Crops Except Grains	3.6	3.9	0.2
Cotton	0.0	0.0	0.0
Other Field Crops	3.6	3.9	0.2
Vegetables and Melons	16.4	15.9	17.5
Total Fruits and Tree Nuts	10.2	12.7	9.5
Berries	6.8	10.0	7.3
Grapes	2.3	1.1	1.1
Tree Nuts	0.0	0.2	0.3
Citrus Fruits	0.0	0.0	0.0
Deciduous Tree Fruit	0.1	1.2	0.6
Other Fruits & Nuts	1.0	0.2	0.2
Total Horticultural Specialties	8.1	9.3	9.5
Ornamental Floral & Nursery	7.2	7.2	7.3
Food Crops Grown Under Cover	0.9	2.1	2.2
General Farm Primarily Crop	0.8	2.9	2.2
Agricultural Production/Livestock	0.1	0.6	1.0
Beef Cattle Feed Lots	0.0	0.0	0.0
Beef Cattle Except Feed Lots	0.0	0.3	0.3
Dairy Farms	0.0	0.1	0.1
Chicken Eggs	0.0	0.0	0.1
Turkey & Turkey Eggs	0.0	0.0	0.1
Other Livestock	0.1	0.2	0.4
Total Agricultural Services	28.7	28.2	26.4
Soil Preparation Services	0.2	1.4	0.3
Crop Services	15.5	10.7	10.1
Plant Cultivate & Protection	1.0	0.3	0.6
Harvest Primarily by Machine	6.3	2.9	1.8
Preparation Services for Market	8.2	7.5	7.7
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	13.0	16.1	16.0
Farm Labor Contractors	11.3	14.5	14.8
Farm Management Services	1.7	1.6	1.2

na = not available

Average Hourly Earnings
(In dollars per hour)

Industry	Oct 2001	Sep 2001	Oct 2000
Total Agriculture	8.25	8.34	8.20
Total Agricultural Production/Crops	8.39	8.40	8.30
Cash Grains	na	na	na
Rice	na	na	na
Other Cash Grains	na	na	na
Field Crops Except Grains	8.42	8.52	8.25
Cotton	na	na	na
Other Field Crops	8.42	8.52	8.25
Vegetables and Melons	8.46	8.51	8.18
Total Fruits and Tree Nuts	8.22	8.44	8.38
Berries	8.11	8.77	8.49
Grapes	8.07	8.06	7.73
Tree Nuts	na	8.53	8.70
Citrus Fruits	na	na	na
Deciduous Tree Fruit	8.17	8.19	8.16
Other Fruits & Nuts	8.53	8.67	8.83
Total Horticultural Specialties	8.46	8.46	8.46
Ornamental Floral & Nursery	8.52	8.54	8.69
Food Crops Grown Under Cover	8.39	8.37	8.23
General Farm Primarily Crop	8.38	8.08	8.24
Agricultural Production/Livestock	7.82	8.07	7.92
Beef Cattle Feed Lots	na	na	na
Beef Cattle Except Feed Lots	na	8.25	8.38
Dairy Farms	na	8.38	8.41
Chicken Eggs	na	na	7.04
Turkey & Turkey Eggs	na	na	7.81
Other Livestock	7.82	7.59	7.96
Total Agricultural Services	8.55	8.53	8.38
Soil Preparation Services	8.88	8.61	8.33
Crop Services	8.53	8.67	8.51
Plant Cultivate & Protection	8.24	8.50	8.10
Harvest Primarily by Machine	9.10	9.08	9.02
Preparation Services for Market	8.24	8.43	8.42
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.24	8.32	8.30
Farm Labor Contractors	7.76	8.05	7.92
Farm Management Services	8.72	8.58	8.68

DESERT AGRICULTURAL EMPLOYMENT

Wage and Salary Workers
(In Thousands)

Industry	Oct 2001	Sep 2001	Oct 2000
Total Agriculture	24.6	26.0	28.1
Total Agricultural Production/Crops	8.7	9.5	11.1
Cash Grains	0.0	0.0	0.1
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.1
Field Crops Except Grains	1.5	1.9	1.5
Cotton	0.0	0.0	0.0
Other Field Crops	1.5	1.9	1.5
Vegetables and Melons	3.2	1.9	2.2
Total Fruits and Tree Nuts	1.1	3.2	3.9
Berries	0.0	0.1	0.0
Grapes	0.7	0.9	1.1
Tree Nuts	0.0	0.1	0.3
Citrus Fruits	0.2	0.8	1.0
Deciduous Tree Fruit	0.0	0.1	0.1
Other Fruits & Nuts	0.2	1.2	1.4
Total Horticultural Specialties	2.0	1.2	1.6
Ornamental Floral & Nursery	1.7	1.2	1.5
Food Crops Grown Under Cover	0.3	0.0	0.1
General Farm Primarily Crop	0.9	1.3	1.8
Agricultural Production/Livestock	4.0	5.6	5.5
Beef Cattle Feed Lots	0.7	0.4	0.2
Beef Cattle Except Feed Lots	0.8	0.5	0.6
Dairy Farms	1.1	2.6	2.9
Chicken Eggs	0.9	1.2	1.2
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	0.5	0.9	0.6
Total Agricultural Services	11.9	10.9	11.5
Soil Preparation Services	0.0	0.0	0.2
Crop Services	3.0	3.1	3.5
Plant Cultivate & Protection	0.1	0.5	0.4
Harvest Primarily by Machine	0.3	0.2	0.7
Preparation Services for Market	2.6	2.3	2.2
Cotton Ginning	0.0	0.1	0.2
Total Farm Labor & Management	8.9	7.8	7.8
Farm Labor Contractors	8.4	7.6	7.1
Farm Management Services	0.5	0.2	0.7

na = not available

Average Hourly Earnings
(In dollars per hour)

Industry	Oct 2001	Sep 2001	Oct 2000
Total Agriculture	8.15	8.10	8.07
Total Agricultural Production/Crops	8.17	7.99	7.79
Cash Grains	na	na	na
Rice	na	na	na
Other Cash Grains	na	na	8.42
Field Crops Except Grains	8.62	8.27	8.00
Cotton	na	na	na
Other Field Crops	8.62	8.27	8.00
Vegetables and Melons	8.06	7.82	7.67
Total Fruits and Tree Nuts	8.02	7.73	7.80
Berries	na	7.71	na
Grapes	7.51	7.64	7.66
Tree Nuts	na	7.36	7.41
Citrus Fruits	8.11	7.86	8.08
Deciduous Tree Fruit	na	7.26	7.40
Other Fruits & Nuts	8.45	8.52	8.46
Total Horticultural Specialties	7.93	7.91	7.94
Ornamental Floral & Nursery	7.87	7.91	7.60
Food Crops Grown Under Cover	7.98	na	8.28
General Farm Primarily Crop	8.21	8.20	7.52
Agricultural Production/Livestock	7.89	7.87	7.92
Beef Cattle Feed Lots	8.17	8.09	7.54
Beef Cattle Except Feed Lots	7.84	7.93	8.38
Dairy Farms	8.66	8.48	8.57
Chicken Eggs	7.06	7.11	7.17
Turkey & Turkey Eggs	na	na	na
Other Livestock	7.71	7.72	7.96
Total Agricultural Services	8.40	8.44	8.51
Soil Preparation Services	na	na	8.88
Crop Services	8.48	8.56	8.42
Plant Cultivate & Protection	8.40	8.38	8.25
Harvest Primarily by Machine	9.03	8.92	8.43
Preparation Services for Market	8.00	7.87	7.73
Cotton Ginning	na	9.08	9.25
Total Farm Labor & Management	8.33	8.32	8.25
Farm Labor Contractors	8.29	8.28	8.45
Farm Management Services	8.36	8.35	8.04

NORTH COAST AGRICULTURAL EMPLOYMENT

Wage and Salary Workers
(In Thousands)

Average Hourly Earnings
(In dollars per hour)

Industry	Oct 2001	Sep 2001	Oct 2000
Total Agriculture	21.7	20.7	19.7
Total Agricultural Production/Crops	14.7	13.6	13.8
Cash Grains	0.0	0.0	0.0
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.0
Field Crops Except Grains	0.0	0.0	0.0
Cotton	0.0	0.0	0.0
Other Field Crops	0.0	0.0	0.0
Vegetables and Melons	2.8	0.4	0.3
Total Fruits and Tree Nuts	11.0	10.0	11.5
Berries	0.0	0.0	0.0
Grapes	10.3	8.1	10.5
Tree Nuts	0.0	0.1	0.1
Citrus Fruits	0.0	0.0	0.0
Deciduous Tree Fruit	0.5	1.6	0.8
Other Fruits & Nuts	0.2	0.2	0.1
Total Horticultural Specialties	0.3	1.7	1.7
Ornamental Floral & Nursery	0.3	1.5	1.5
Food Crops Grown Under Cover	0.0	0.2	0.2
General Farm Primarily Crop	0.6	1.5	0.3
Agricultural Production/Livestock	0.9	1.7	1.7
Beef Cattle Feed Lots	0.0	0.0	0.1
Beef Cattle Except Feed Lots	0.1	0.2	0.2
Dairy Farms	0.8	1.0	0.9
Chicken Eggs	0.0	0.0	0.0
Turkey & Turkey Eggs	0.0	0.1	0.1
Other Livestock	0.0	0.4	0.4
Total Agricultural Services	6.1	5.4	4.2
Soil Preparation Services	0.0	0.1	0.1
Crop Services	0.0	0.0	0.4
Plant Cultivate & Protection	0.0	0.0	0.2
Harvest Primarily by Machine	0.0	0.0	0.0
Preparation Services for Market	0.0	0.0	0.2
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	6.1	5.3	3.7
Farm Labor Contractors	0.2	0.1	0.9
Farm Management Services	5.9	5.2	2.8

Industry	Oct 2001	Sep 2001	Oct 2000
Total Agriculture	8.48	8.41	8.26
Total Agricultural Production/Crops	8.53	8.40	8.36
Cash Grains	na	na	na
Rice	na	na	na
Other Cash Grains	na	na	na
Field Crops Except Grains	na	na	na
Cotton	na	na	na
Other Field Crops	na	na	na
Vegetables and Melons	8.68	8.46	8.49
Total Fruits and Tree Nuts	8.57	8.54	8.43
Berries	na	na	na
Grapes	8.53	8.68	8.70
Tree Nuts	na	8.35	8.43
Citrus Fruits	na	na	na
Deciduous Tree Fruit	8.50	8.48	8.39
Other Fruits & Nuts	8.67	8.66	8.21
Total Horticultural Specialties	8.59	8.36	8.45
Ornamental Floral & Nursery	8.59	8.60	8.62
Food Crops Grown Under Cover	na	8.12	8.28
General Farm Primarily Crop	8.28	8.25	8.05
Agricultural Production/Livestock	8.34	8.23	8.03
Beef Cattle Feed Lots	na	na	7.65
Beef Cattle Except Feed Lots	8.01	8.02	8.05
Dairy Farms	8.30	8.30	8.40
Chicken Eggs	na	na	na
Turkey & Turkey Eggs	na	8.10	7.85
Other Livestock	8.71	8.51	8.21
Total Agricultural Services	8.58	8.60	8.39
Soil Preparation Services	na	8.63	8.58
Crop Services	na	na	8.18
Plant Cultivate & Protection	na	na	8.57
Harvest Primarily by Machine	na	na	na
Preparation Services for Market	na	na	7.79
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.58	8.57	8.40
Farm Labor Contractors	8.35	8.33	7.91
Farm Management Services	8.81	8.80	8.89

na = not available

SOUTH COAST AGRICULTURAL EMPLOYMENT

Wage and Salary Workers
(In Thousands)

Average Hourly Earnings
(In dollars per hour)

Industry	Oct 2001	Sep 2001	Oct 2000
Total Agriculture	61.9	61.9	63.5
Total Agricultural Production/Crops	41.1	42.9	44.6
Cash Grains	0.0	0.4	0.1
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.4	0.1
Field Crops Except Grains	1.1	2.3	0.3
Cotton	0.0	0.0	0.1
Other Field Crops	1.1	2.3	0.3
Vegetables and Melons	6.5	8.7	9.7
Total Fruits and Tree Nuts	15.0	11.2	13.2
Berries	7.4	5.4	7.6
Grapes	1.9	2.1	2.3
Tree Nuts	0.0	0.1	0.1
Citrus Fruits	1.0	1.8	1.6
Deciduous Tree Fruit	0.1	0.2	0.1
Other Fruits & Nuts	4.6	1.6	1.5
Total Horticultural Specialties	17.1	16.4	17.7
Ornamental Floral & Nursery	16.5	15.6	16.9
Food Crops Grown Under Cover	0.6	0.8	0.8
General Farm Primarily Crop	1.4	3.9	3.6
Agricultural Production/Livestock	0.5	2.0	2.0
Beef Cattle Feed Lots	0.1	0.0	0.0
Beef Cattle Except Feed Lots	0.2	0.3	0.3
Dairy Farms	0.0	0.2	0.2
Chicken Eggs	0.0	0.4	0.4
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	0.2	1.1	1.1
Total Agricultural Services	20.3	17.0	16.9
Soil Preparation Services	0.2	0.2	0.2
Crop Services	2.6	2.3	3.3
Plant Cultivate & Protection	0.4	1.3	0.6
Harvest Primarily by Machine	0.0	0.0	0.7
Preparation Services for Market	2.2	1.0	2.0
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	17.5	14.5	13.4
Farm Labor Contractors	15.7	13.3	12.0
Farm Management Services	1.8	1.2	1.4

Industry	Oct 2001	Sep 2001	Oct 2000
Total Agriculture	8.28	8.29	8.20
Total Agricultural Production/Crops	8.09	8.25	8.13
Cash Grains	na	8.60	8.67
Rice	na	na	na
Other Cash Grains	na	8.60	8.67
Field Crops Except Grains	8.21	8.36	7.96
Cotton	na	na	7.58
Other Field Crops	8.21	8.36	8.34
Vegetables and Melons	7.90	8.03	7.87
Total Fruits and Tree Nuts	7.91	7.82	7.86
Berries	7.19	7.36	7.46
Grapes	8.21	7.97	7.86
Tree Nuts	na	7.59	7.41
Citrus Fruits	8.46	8.22	8.60
Deciduous Tree Fruit	7.25	7.39	7.40
Other Fruits & Nuts	8.46	8.39	8.43
Total Horticultural Specialties	8.21	8.17	8.14
Ornamental Floral & Nursery	8.47	8.23	7.94
Food Crops Grown Under Cover	7.95	8.10	8.33
General Farm Primarily Crop	8.21	8.50	8.29
Agricultural Production/Livestock	8.28	8.22	8.18
Beef Cattle Feed Lots	8.00	na	na
Beef Cattle Except Feed Lots	8.67	8.63	8.58
Dairy Farms	na	8.63	8.56
Chicken Eggs	na	7.36	7.13
Turkey & Turkey Eggs	na	na	na
Other Livestock	8.17	8.27	8.45
Total Agricultural Services	8.47	8.40	8.29
Soil Preparation Services	8.54	8.37	8.71
Crop Services	8.52	8.53	8.16
Plant Cultivate & Protection	8.80	8.88	8.71
Harvest Primarily by Machine	na	na	8.00
Preparation Services for Market	8.23	8.18	7.76
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.35	8.29	7.99
Farm Labor Contractors	8.13	8.05	7.86
Farm Management Services	8.57	8.53	8.12

na = not available

SAN JOAQUIN AGRICULTURAL EMPLOYMENT

Wage and Salary Workers
(In Thousands)

Industry	Oct 2001	Sep 2001	Oct 2000
Total Agriculture	203.2	271.0	207.9
Total Agricultural Production/Crops	83.2	110.5	78.6
Cash Grains	0.8	0.8	0.4
Rice	0.7	0.0	0.1
Other Cash Grains	0.1	0.8	0.3
Field Crops Except Grains	7.1	11.3	9.0
Cotton	3.8	6.6	6.2
Other Field Crops	3.3	4.7	2.8
Vegetables and Melons	13.0	7.9	5.2
Total Fruits and Tree Nuts	44.9	69.5	45.3
Berries	0.0	0.1	0.1
Grapes	25.3	43.0	25.2
Tree Nuts	6.2	7.7	7.0
Citrus Fruits	1.4	2.2	2.3
Deciduous Tree Fruit	8.6	10.5	5.7
Other Fruits & Nuts	3.4	6.0	5.0
Total Horticultural Specialties	2.6	3.6	4.3
Ornamental Floral & Nursery	2.6	3.4	4.1
Food Crops Grown Under Cover	0.0	0.2	0.2
General Farm Primarily Crop	14.8	17.4	14.4
Agricultural Production/Livestock	12.7	14.6	16.7
Beef Cattle Feed Lots	0.3	0.2	0.4
Beef Cattle Except Feed Lots	0.5	1.3	1.5
Dairy Farms	10.1	10.4	11.7
Chicken Eggs	0.4	0.6	0.5
Turkey & Turkey Eggs	0.3	0.7	0.8
Other Livestock	1.1	1.4	1.8
Total Agricultural Services	107.3	145.9	112.6
Soil Preparation Services	1.7	1.5	0.7
Crop Services	28.3	32.2	30.0
Plant Cultivate & Protection	3.6	2.2	3.6
Harvest Primarily by Machine	2.2	2.2	3.4
Preparation Services for Market	20.7	27.1	21.4
Cotton Ginning	1.8	0.7	1.6
Total Farm Labor & Management	77.3	112.2	81.9
Farm Labor Contractors	74.9	108.5	77.1
Farm Management Services	2.4	3.7	4.8

na = not available

Average Hourly Earnings
(In dollars per hour)

Industry	Oct 2001	Sep 2001	Oct 2000
Total Agriculture	8.18	8.17	8.05
Total Agricultural Production/Crops	8.00	7.93	7.77
Cash Grains	8.12	8.00	8.02
Rice	8.25	na	8.13
Other Cash Grains	7.98	8.00	7.91
Field Crops Except Grains	7.75	7.77	7.72
Cotton	7.67	7.73	7.39
Other Field Crops	7.83	7.81	8.05
Vegetables and Melons	8.23	8.21	7.82
Total Fruits and Tree Nuts	7.80	7.66	7.54
Berries	na	7.40	7.98
Grapes	8.06	7.81	7.56
Tree Nuts	8.17	7.98	7.81
Citrus Fruits	7.63	7.58	7.40
Deciduous Tree Fruit	7.43	7.46	7.09
Other Fruits & Nuts	7.72	7.71	7.40
Total Horticultural Specialties	8.05	7.97	7.64
Ornamental Floral & Nursery	8.05	8.05	7.63
Food Crops Grown Under Cover	na	7.89	7.64
General Farm Primarily Crop	8.08	8.00	7.91
Agricultural Production/Livestock	8.19	8.12	8.02
Beef Cattle Feed Lots	8.27	8.04	7.75
Beef Cattle Except Feed Lots	8.10	8.20	8.56
Dairy Farms	8.80	8.80	8.58
Chicken Eggs	7.59	7.29	6.94
Turkey & Turkey Eggs	7.97	7.75	7.80
Other Livestock	8.42	8.62	8.47
Total Agricultural Services	8.35	8.45	8.36
Soil Preparation Services	8.50	8.74	8.53
Crop Services	8.60	8.58	8.68
Plant Cultivate & Protection	8.51	8.73	8.78
Harvest Primarily by Machine	8.18	8.13	8.59
Preparation Services for Market	8.12	7.84	7.59
Cotton Ginning	9.57	9.60	9.76
Total Farm Labor & Management	7.95	8.03	7.88
Farm Labor Contractors	7.69	7.72	7.72
Farm Management Services	8.21	8.34	8.03

SACRAMENTO VALLEY AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	Oct 2001	Sep 2001	Oct 2000
Total Agriculture	30.7	32.3	32.9
Total Agricultural Production/Crops	20.6	21.7	22.5
Cash Grains	2.9	2.6	2.4
Rice	1.9	1.6	2.0
Other Cash Grains	1.0	1.0	0.4
Field Crops Except Grains	0.2	0.3	0.8
Cotton	0.0	0.0	0.0
Other Field Crops	0.2	0.3	0.8
Vegetables and Melons	2.4	3.2	2.0
Total Fruits and Tree Nuts	9.7	11.1	9.6
Berries	0.9	0.0	0.8
Grapes	0.4	1.1	1.1
Tree Nuts	2.4	2.9	3.2
Citrus Fruits	0.0	0.0	0.0
Deciduous Tree Fruit	3.3	5.5	3.1
Other Fruits & Nuts	2.7	1.6	1.4
Total Horticultural Specialties	2.1	1.8	3.9
Ornamental Floral & Nursery	2.1	1.8	3.9
Food Crops Grown Under Cover	0.0	0.0	0.1
General Farm Primarily Crop	3.3	2.7	3.8
Agricultural Production/Livestock	1.2	1.8	1.7
Beef Cattle Feed Lots	0.0	0.0	0.1
Beef Cattle Except Feed Lots	0.2	0.5	0.5
Dairy Farms	0.5	0.5	0.6
Chicken Eggs	0.0	0.0	0.0
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	0.5	0.8	0.5
Total Agricultural Services	8.9	8.8	8.7
Soil Preparation Services	0.0	0.0	0.1
Crop Services	4.4	2.9	3.6
Plant Cultivate & Protection	0.9	0.5	0.7
Harvest Primarily by Machine	0.8	0.1	0.6
Preparation Services for Market	2.7	2.3	2.3
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	4.5	5.9	5.0
Farm Labor Contractors	4.4	5.8	4.5
Farm Management Services	0.1	0.1	0.5

na = not available

Average Hourly Earnings (In dollars per hour)

Industry	Oct 2001	Sep 2001	Oct 2000
Total Agriculture	8.25	8.33	8.07
Total Agricultural Production/Crops	8.09	8.12	7.88
Cash Grains	8.38	8.34	8.23
Rice	8.55	8.53	8.29
Other Cash Grains	8.20	8.15	8.17
Field Crops Except Grains	8.04	8.11	7.86
Cotton	na	na	na
Other Field Crops	8.04	8.11	7.86
Vegetables and Melons	7.92	7.94	7.83
Total Fruits and Tree Nuts	7.95	7.94	7.76
Berries	8.03	na	7.51
Grapes	7.93	7.94	7.58
Tree Nuts	7.68	7.83	8.01
Citrus Fruits	na	na	na
Deciduous Tree Fruit	7.76	7.91	7.86
Other Fruits & Nuts	8.34	8.07	7.84
Total Horticultural Specialties	8.28	8.30	8.09
Ornamental Floral & Nursery	8.28	8.30	7.90
Food Crops Grown Under Cover	na	na	8.28
General Farm Primarily Crop	7.98	8.08	7.52
Agricultural Production/Livestock	8.37	8.52	8.07
Beef Cattle Feed Lots	na	na	8.19
Beef Cattle Except Feed Lots	8.23	8.45	8.00
Dairy Farms	8.74	8.77	8.10
Chicken Eggs	na	na	na
Turkey & Turkey Eggs	na	na	na
Other Livestock	8.13	8.33	7.99
Total Agricultural Services	8.30	8.37	8.26
Soil Preparation Services	na	na	8.43
Crop Services	8.42	8.53	8.37
Plant Cultivate & Protection	8.71	8.56	8.54
Harvest Primarily by Machine	8.50	8.53	8.48
Preparation Services for Market	8.04	8.49	8.08
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.18	8.21	7.98
Farm Labor Contractors	8.11	8.04	7.61
Farm Management Services	8.24	8.38	8.35

DATA NOTES

Data Sources:

These data are obtained from two sources: the Employment Development Department (EDD) Covered Employment and Wages (ES-202) data files and a monthly survey conducted by the California Agricultural Statistical Service (CASS) of the U.S. Department of Agriculture (USDA) and the Labor Market Information Division of EDD of 4,200 agricultural employers. The sample was selected to be representative of the state's agricultural employers by size, geographic location, and industry categories. Sample data are gathered for the survey week that includes the 12th calendar day of the month. All data in this bulletin represent activities taking place during this mid-month period. Same month prior year employment data are benchmarked to the ES-202 data files maintained by EDD.

Data Comments:

To aid in accurate usage and interpretation of the data, please note the following:

- **Agricultural Services employment survey data may be recalculated; historical trend information is used to adjust sample data when low response rates occur.**
- Regional data may show greater variability than statewide data because of small sample size and variable reporting patterns in specific industries.
- Current month regional estimates are based on the recorded addresses of owner-operators. Same month prior year regional data are based on worksite locations. Significant differences between regional current month and same month prior year data could result, although statewide totals might be comparable.
- Where data cannot be estimated because of inadequate sample reporting, the letters "na" have been entered into the field to indicate estimates are not available.
- Wage data include wages of supervisors and hired non-production workers (primarily administrative personnel). Piece rate data are also included where applicable.
- Fishing, forestry, and hunting industry data are not included in the Agricultural Services estimates. Unique seasonal industry patterns of employment make producing employment estimates for these industries problematic.
- Employment data do not include employers of unpaid family workers.
- Agricultural workers who are employed by farm labor contractors are reported in Agricultural Services under that industry category. Employment levels in Crop Production and Livestock Production do not reflect their activities in the associated industries that contract with the farm labor contractors.

Total agricultural employment and hourly earnings estimates in this bulletin are derived from the monthly Current Employment Statistics for Agriculture project. Estimates in this bulletin will differ from other agricultural estimates published by EDD and the USDA because of differences in the number of industries covered and in the definition of agricultural workers.

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